

ABSTRACT OF THE DISCLOSURE

A rotational float system (44) that is meant to be used with existing side load protection systems and that may be selectively operated to permit a digger derrick rotation motor (20) or other rotatable equipment to freely rotate toward a side load to ease operation of and prevent damage to the digger derrick (10) and to assist in the correct installation of screw anchors. The rotational float system (44) includes valve structure (46) interposed between the ports (32, 34) of a hydraulic rotation motor (20) and a control mechanism (48) for selectively opening and closing the valve structure (46). The valve structure (46) is normally biased to a closed position and the control mechanism (48) is normally open. When the control mechanism (48) is operated, it opens the valve structure (46) to connect the ports (32, 34) of the rotation motor (20) to one another. This allows the pressure of the hydraulic fluid present at each of the ports (32, 34) to equalize so that the rotation motor (20) may float or rotate toward any external side loads.

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